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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/519,578	12/27/2004	Takahiro Kosaka	542-015.005	2487
4955 7590 01/10/2008 WARE FRESSOLA VAN DER SLUYS & ADOLPHSON, LLP BRADFORD GREEN, BUILDING 5 755 MAIN STREET, P O BOX 224 MONROE, CT 06468			EXAMINER SHAH, MANISH S	
			ART UNIT 2853	PAPER NUMBER
			MAIL DATE 01/10/2008	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/519,578

Applicant(s)

KOSAKA, TAKAHIRO

Examiner

Manish S. Shah

Art Unit

2853

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 October 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. Claims 1-4 & 7-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carmer et al. (# US 2002/0150678) in view of Huang et al. (# US 2003/0007052).

Carmer et al. discloses discharging the ink (coating composition) for inkjet printing on cloth ([0151], [0155]) including a nonionic surfactant having HLB value of 6 to 15 ([0119]), a colorant ([0128]) and water ([0093]), wherein the colorant is reactive dye or an acidic dye, and reactive dye is azo dye (maroon dye CAS# CAS # 27165-25-9; ([0128], [0205]). They also disclose that the nonionic surfactant is an ethylene oxide adducts of halogenated phenol ([0119]) and amount of surfactant is from 0.01 to 20% by weight ([0120]). They also disclose that the discharging ink is capable of discharging a dyed polyester fiber cloth ([0205]).

Carmer et al. differs from the claim of the present invention is that the ink comprises guanidine weak acid salt.

Huang et al. teaches that to have a uniform and high quality printed image, an ink composition having a guanidine weak acid salt (guanidine carbonate) ([0084]). They also disclose that the guanidine weak salt is from 0.1 to 5% by weight ([0084]).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the ink composition (coating composition) of Carmer et al. by the aforementioned teaching of Huang et al. in order to have uniform high quality printed image.

2. Claims 5-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carmer et al. (# US 2002/0150678) in view of Huang et al. (# US 2003/0007052).

Carmer et al. discloses a process for preparing discharged polyester fiber cloth (synthetic fiber) ([0151]), which comprises a step of injecting a discharging ink (coating composition) for inkjet printing on colored cloth ([0151], [0155]; [0205]) including a nonionic surfactant having HLB value of 6 to 15 ([0119]), a colorant ([0128]) and water ([0093]). They also disclose that step of wet heat treatment or dry heat treatment at 15 to 190 degree C, and step of soaping treatment ([0129]-[0133], [0157]-[0161]; see Examples).

Carmer et al. differs from the claim of the present invention is that the ink comprises guanidine weak acid salt.

Huang et al. teaches that to have a uniform and high quality printed image, an ink composition having a guanidine weak acid salt (guanidine carbonate) ([0084]). They also disclose that the guanidine weak salt is from 0.1 to 5% by weight ([0084]).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the ink composition (coating composition) of Carmer et al. by the aforementioned teaching of Huang et al. in order to have uniform high quality printed image.

Response to Arguments

3. Applicant's arguments filed 10/17/2007 have been fully considered but they are not persuasive. Applicant argued that the Cramer does not teach or suggest that the coating composition may be used as a discharging ink for discharging a cloth that is colored in advance, which is not persuasive. However, according to the claim 1, applicant just claiming "a discharging ink for ink jet printing on cloth....", which is examiner consider just the ink composition used in printing cloth. This didn't claim that discharging ink for discharging a cloth that is colored in advanced. However, in paragraph [0205] Carmer discloses that the cloth is colored in advance. Therefore, according to the present claim, the references are still reads on the claimed invention.

Conclusion

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Manish S. Shah whose telephone number is (571) 272-2152. The examiner can normally be reached on 8:00am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen D. Meier can be reached on (571) 272-2149. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Manish S. Shah
Primary Examiner
Art Unit 2853

MSS

1/2/08